



Industrial Facilities (Non-Military)

Basic Imagery Interpretation Brief

Ho-yuan Dam and Hydro Power Plant Hsin-feng Chiang

Ho-yuan, China

25X1A



DECLASS REVIEW by NIMA/DOD

*Handle via Talent - Keyhole
Channels Only*

Top Secret

BCS 13/0282/69
TCS 19111/69
DATE JUNE 1969
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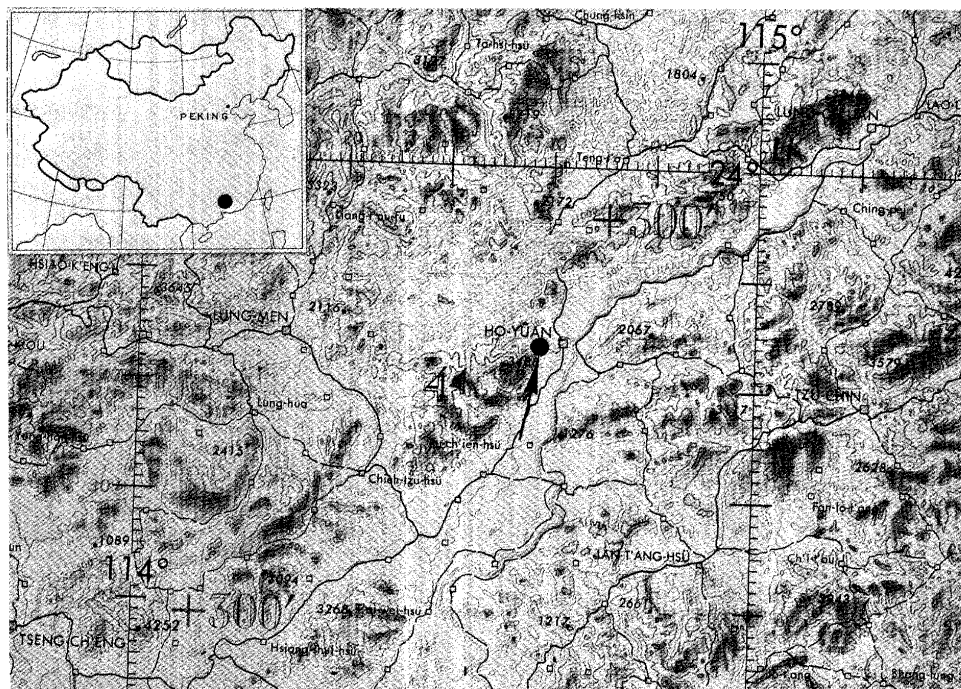
CENTRAL INTELLIGENCE AGENCY
Directorate of Intelligence
Imagery Analysis Service

BCS - 13/0282/69
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INSTALLATION OR ACTIVITY NAME		COUNTRY	
Ho-yuan Dam and Hydro Power Plant Hsin-feng Chiang		CH	
UTM COORDINATES	GEOGRAPHIC COORDINATES	WAC-PIC NO.	
50QKB610269	23-43-40N 114-39-02E	0614-74	
MAP REFERENCE			
548th RTG. USATC Series 200, Sheet M0614-2HL, 3rd edition, May 68, Scale 1:200,000 (SECRET NO FOREIGN DISSEM EXCEPT [REDACTED] CONTROLLED DISSEM)			
LATEST IMAGERY USED		NEGATION DATE (If required)	
[REDACTED]		25X1C Not Required	

INTRODUCTION

The Ho-yuan Dam and Hydro Power Plant Hsin-feng Chiang is located approximately 3 nautical miles southwest of Ho-yuan on the Hsiao Chiang (River).



BASIC DESCRIPTION

The Ho-yuan Hydro Power Plant is a consolidated-type plant with a concrete gravity dam. No security measures were identifiable on the available imagery. The powerhouse was complete when first observed in [REDACTED] and it was probably in operation prior to [REDACTED] the date of the latest imagery utilized in the referenced report. The powerhouse has five sections. The plant control area is located in the northern section and there probably is one turbogenerator in each of the other four sections.

At least four sets of water intake control gates were observed at the dam. Four transformers are located between the dam and powerhouse and additional transformers are possibly located under a roofed area north of those which were observed. A switching yard could not be identified in the immediate vicinity of the powerhouse.

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A large substation has previously been identified approximately 1 km north-east of the powerhouse. The substation did not appear to be active on [REDACTED] as vegetation was apparent within the walled area. Transmission line supports were observed southeast of the powerhouse indicating that the substation is possibly being by-passed.

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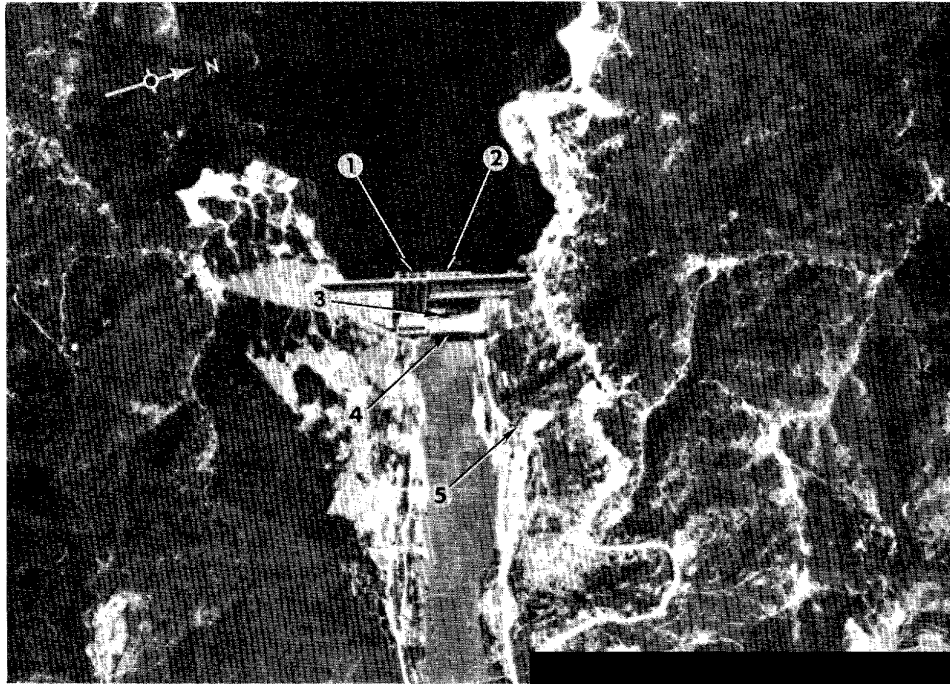
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Turbulence was not observed on [REDACTED] probably due to the sun angle reflection on the imagery. Three areas of turbulence could be observed on [REDACTED] indicating the probable operation of three turbogenerators.

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A river bypass, north of the dam, was under construction in [REDACTED] and appeared complete by [REDACTED]



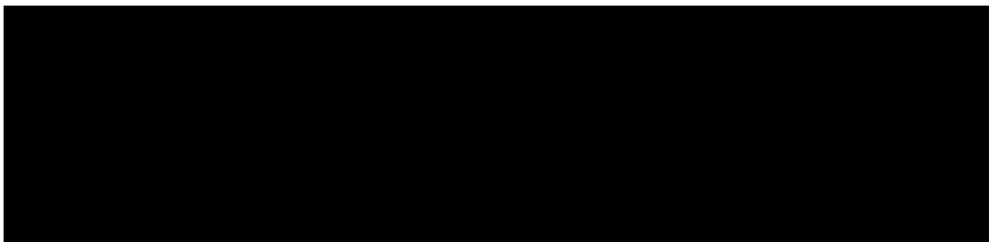
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Key to Annotations

<u>Item</u>	<u>Description</u>	<u>Measurements (approx.)</u>
1	Spillway	
2	Control Gates (4 sets)	
3	Transformers (4)	
4	Powerhouse	370 x 100
5	Bypass Outlet	

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REFERENCES



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Maps

25X1C

548th RTG. US Air Target Chart, Series 200, Sheet M0614-2HL, 3rd edition,
May 68, Scale 1:200,000 (SECRET NO FOREIGN DISSEM EXCEPT [REDACTED]
[REDACTED] CONTROLLED DISSEM)

ACIC. USAF Operational Navigation Chart, Sheet J-12, 4th edition, Jan 67,
Scale 1:1,000,000 (UNCLASSIFIED)

Document

1. CIA. PIR 75016, Chinese Power Plants, Kuangtung Province, July 1966,
TCS 3974/66 (TOP SECRET RUFF)

Requirement

EXSUBCOM - BR-N/002-69

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